

Level 1 Validation Certificate



This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 6/27/2019

Water Supplier

Supplier Name:	City of Millbrae
Supplier Participants:	Craig Centis, Jack Diaz, Bill Giang, Shelly Reider

Key Audit Metrics

Data Validity Score:	59
ILI:	1.7
Real Loss:	31.7 gal / conn / day
Apparent Loss:	4.2 gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	12.2%

Validator

Validator:	Kim Manago, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Millbrae

Water Supplier Public Water System ID: 4110018

Water Audit Period: Calendar Year 2018

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.


The City implemented water loss control measures, including short and long term real losses by switching out 50% of the meters for larger water users to compound meters and will continue this effort, conducting meter maintenance, and being responsive to potential leaks. The City transitioned to a new billing system in 2019 that will help to improve data source accuracy.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Khee Lim

Executive Position: Public Works Director/Deputy City Manager

Signature: 

Date: July 2, 2019